

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

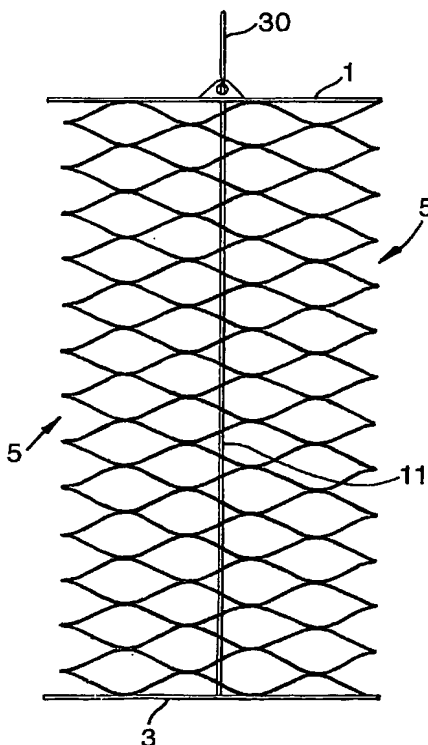
(10) International Publication Number
WO 2005/053390 A1

- (51) International Patent Classification⁷: **A01M 1/20**
- (21) International Application Number:
PCT/GB2004/004369
- (22) International Filing Date: 15 October 2004 (15.10.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0326056.9 7 November 2003 (07.11.2003) GB
- (71) Applicant (for all designated States except MN, US):
RECKITT BENCKISER (AUSTRALIA) PTY LIMITED [AU/AU]; 44 Wharf Road, West Ryde, NSW 2114 (AU).
- (71) Applicant (for MN only): **RECKITT BENCKISER (UK) LIMITED** [GB/GB]; 103-105 Bath Road, Slough, Berkshire SL1 3UH (GB).

- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **BALAKRISHNAN, Krishanthi** [LK/AU]; Reckitt Benckiser (Australia) Pty Limited, 44 Wharf Road, West Ryde, NSW 2114 (AU). **BOWMAN, Gary, Raymond** [AU/AU]; Reckitt Benckiser (Australia) Pty Limited, 44 Wharf Road, West Ryde, NSW 2114 (AU). **JUNUS, Rosita** [AU/AU]; Reckitt Benckiser (Australia) Pty Limited, 44 Wharf Road, West Ryde, NSW 2114 (AU). **KEMMIS, Bruce, Graham** [AU/AU]; 55 Beresford Road, Thornleigh, NSW 2120 (AU). **MORRIS, Alan, John** [AU/AU]; 37 Fenton Street, Ascot Vale, VIC 3052 (AU). **RIDLEY, Philip, Stephen** [AU/AU]; Reckitt Benckiser (Australia) Pty Limited, 44 Wharf Road, West Ryde, NSW 2114 (AU). **THOMPSON, Ian, Andrew** [AU/AU]; Reckitt Benckiser (Australia) Pty Limited, 44 Wharf Road, West Ryde, NSW 2114 (AU).
- (74) Agents: **BOWERS, Craig, M.** et al.; Reckitt Benckiser plc, Intellectual Property Department - Patents Group, Dansom Lane, Hull HU8 7DS (GB).

[Continued on next page]

(54) Title: **PACKAGING MEANS FOR EMANATING PYRETHROID EFFECTIVE IN CONTROLLING FLYING INSECTS**



(57) Abstract: The invention provides a packaging means for retaining vapour active pyrethroids comprising a holder and a cellulosic based substrate or matrix (5) impregnated and/or dosed with the vapour active pyrethroid, wherein the holder comprises a top (1), a base (3) and a longitudinal member (11) vertically extending from between the top (1) and base (3), and wherein the cellulosic matrix (5) has a honeycomb configuration adapted to be retained between the top and base and has a surface area so as to achieve sufficient emanation of the vapour active pyrethroid to control flying insects. The invention also provides methods of emanating vapour active pyrethroids and the use of packaging means according to the invention for retaining and emanating vapour active pyrethroids.



(81) **Designated States** (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.